

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

JULY 1984

VOLUME 88 NUMBER 7



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28801

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ASHEVILLE NORTH CAROLINA

TEMPERATURE AND PRECIPITATION EXTREMES

MARYLAND AND
DELAWARE
JULY 1984

MARYLAND
 HIGHEST TEMPERATURE 98
 LOWEST TEMPERATURE 37
 GREATEST TOTAL PRECIPITATION 8.20
 LEAST TOTAL PRECIPITATION 2.07
 GREATEST 1 DAY PRECIPITATION 4.14

DELAWARE
 HIGHEST TEMPERATURE 98
 LOWEST TEMPERATURE 51
 GREATEST TOTAL PRECIPITATION 8.95
 LEAST TOTAL PRECIPITATION 3.90
 GREATEST 1 DAY PRECIPITATION 2.00

JULY 11
 JULY 10

JULY 1

JULY 11
 JULY 9

JULY 21

BALTIMORE WSO CI R
 FROSTBURG 2
 UPPER HARLBORO 3 NNW
 BOYDS 2 NW
 SAVAGE RIVER DAM

WILMINGTON WSO AP R
 MIDDLETOWN 1 WSW
 WILMGTON PORTER RESVR
 LEWES
 NEWARK UNIVERSITY FARM

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
JULY 1984

STATION	TEMPERATURE (°F)											PRECIPITATION (IN)										
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST DATE	LOWEST DATE	HEATING DEGREE DAYS	COOLING DEGREE DAYS	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY DATE	SNOW SLEET						
									90-OR ABOVE	32-OR BELOW	32-OR BELOW	0-OR BELOW				TOTAL	MAX. DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE	
MARYLAND																						
SOUTHERN EASTERN SHORE 01																						
ASSATEAGUE STATE PARK	82.0	64.4	73.2		93 24	58	99	0	261	1	0	0	0	3.97		1.27	18	.0	0	7	3	1
PRINCESS ANNE	84.7	64.5	74.6	-1.4	92 11	49	99	0	303	2	0	0	0	6.19	2.37	1.73	21	.0	0	9	4	2
SALISBURY	83.7	66.5	75.1	-1.9	93 11	56	99	0	318	2	0	0	0	5.77	2.01	1.98	21	.0	0	10	5	2
SALISBURY FAA AP	83.6	67.9	75.8	-1.7	94 11	55	99	0	344	3	0	0	0	6.30	1.90	2.24	21	.0	0	10	4	2
SNOW HILL 4 N	83.3	65.3	74.3	-1.6	92 11	52	99	0	295	3	0	0	0	7.00	3.01	1.46	1	.0	0	11	4	3
--DIVISIONAL DATA----->																						
CENTRAL EASTERN SHORE 02																						
CAMBRIDGE WTR TRMT PL	85.7	67.5	76.6	- .3	95 11	54	99	0	369	5	0	0	0	7.27	2.96	1.65	22	.0	0	11	6	3
DENTON 2 E	85.3	64.6	75.0	-1.9	95 11	52	99	0	315	6	0	0	0	7.24	2.90	3.91	21	.0	0	11	2	1
ROYAL OAK 2 SSW	83.9	67.1	75.5	-2.2	93 11	54	99	0	334	3	0	0	0	4.75	.36	1.37	18	.0	0	9	4	1
VIENNA	86.3	64.8	75.6	-1.8	94 11	53	99	0	333	6	0	0	0	4.25	.31	1.01	22	.0	0	9	3	1
--DIVISIONAL DATA----->																						
LOWER SOUTHERN 03																						
LA PLATA 1 W	81.0	65.9	73.5	-2.4	90 11	53	8	2	272	1	0	0	0	5.76	1.73	1.67	21	.0	0	9	4	2
MECHANICSVILLE 1 SE	M	M	M																			
OWINGS FERRY LANDING	M	M	M																			
PATUXENT RIVER	83.9	67.7	75.8		96 11	58	99	0	343	4	0	0	0	3.29		1.53	18	.0	0	7	1	1
--DIVISIONAL DATA----->																						
UPPER SOUTHERN 04																						
ANNAPOLIS POLICE BRKS	85.5	67.8	76.7		95 12+	56	99	0	370	9	0	0	0	5.65		2.07	18	.0	0	9	4	1
BALTIMORE WSO AP	83.2	64.5	73.9	-2.9	94 11	54	99	0	281	4	0	0	0	3.27	-.62	1.10	21	.0	0	9	1	1
BELTSVILLE	83.5	64.3	73.9	-1.3	94 12	55	99	0	281	4	0	0	0	6.20	2.06	1.46	1	.0	0	12	4	2
COLLEGE PARK	85.2	66.4	75.8	-1.4	95 12	53	99	0	343	9	0	0	0	4.93	.87	1.03	7	.0	0	9	5	1
DALECARLIA RESVR D C	85.4	65.9	75.7	-1.5	96 11	53	99	0	337	8	0	0	0	6.19	2.15	1.73	1	.0	0	10	4	3
GLENN DALE BELL STN	84.1	62.1	73.1	-2.5	93 15+	48	99	4	260	5	0	0	0	6.40	2.09	1.74	21	.0	0	12	3	1
LAUREL 3 W	M	65.2	M		93 14+	54	8			5	0	0	0	6.12	2.24	1.50	16	.0	0	8	5	2
NATIONAL ARBORETUM D C	84.7	64.3	74.5	-3.2	94 12	57	8	0	302	9	0	0	0	5.86	1.66	1.04	21	.0	0	12	4	2
UPPER MARLBORO 3 NNW	83.5	63.0	73.3		94 14+	50	99	2	267	5	0	0	0	8.20	4.14	1.71	1	.0	0	12	5	3
--DIVISIONAL DATA----->																						
NORTHERN EASTERN SHORE 05																						
CENTREVILLE	M	M	M		92 24	55	29			1	0	0	0	4.10				.0	0	2	0	0
CHESTERTOWN	84.0	66.6	75.3	-1.6	93 11	56	99	0	328	6	0	0	0	6.70	2.76	2.15	1	.0	0	8	4	2
--DIVISIONAL DATA----->																						
NORTHERN CENTRAL 06																						
ABERDEEN PHILLIPS FLD	85.0	65.0	75.0		92 12+	54	99	0	318	4	0	0	0	5.06				.0	0	7	2	0
BALTIMORE WSO CI	86.0	68.6	77.3	-2.6	98 11	60	8	0	387	9	0	0	0	3.75				.0	0	8	3	0
BENSON POLICE BARRACKS	84.5	64.0	74.3	-.6	94 13	53	9	0	294	7	0	0	0	7.51	3.16	2.05	1	.0	0	11	4	0
BOYOS 2 NW	84.0	63.1	73.6		93 14+	51	8	0	271	4	0	0	0	2.07		.45	1	.0	0	7	4	0
CATOCTIN MOUNTAIN PARK	77.4	62.3	69.9		86 11	50	8	6	164	0	0	0	0	6.09		1.82	7	.0	0	9	3	1
CLARKSVILLE 3 NNE	85.4	63.2	74.3		95 11	49	99	0	297	7	0	0	0	4.59		2.85	1	.0	0	7	3	1
CONOWINGO DAM	83.4	64.3	73.9	-1.2	93 11	54	99	0	278	5	0	0	0	7.42	3.05	3.19	1	.0	0	7	4	3
DAMASCUS 2 SW	82.7	62.7	72.7		93 11	49	8	3	248	4	0	0	0	2.60		.66	18	.0	0	7	2	0
EMMITSBURG 2 SE	83.5	61.5	72.5		93 11	49	99	2	243	2	0	0	0	5.18		2.15	7	.0	0	9	2	2

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

MARYLAND AND
DELAWARE
JULY 1984

STATION	TEMPERATURE (°F)											PRECIPITATION (IN)										
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST DATE	LOWEST DATE	HEATING DEGREE DAYS	COOLING DEGREE DAYS	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY DATE	SNOW, SLEET			NO. OF DAYS			
									90 OR ABOVE	32 OR BELOW	32 OR BELOW	0 OR BELOW				TOTAL	MAX. DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE	
FREDRICK POLICE BRKS	85.7	65.7	75.7		95 12+	54 9	0	337	8	0	0	0	6.10		1.89	18	.0	0		8	4	3
PARKTON 2 SW	81.2	59.5	70.4		90 11	48 9	7	178	1	0	0	0	7.08		3.09	7	.0	0		7	4	2
ROCKVILLE 1 NE	86.9	67.5	77.2	1.5	90 11	52 9	7	386	1	0	0	0	3.57	-.21	1.28	1	.0	0		9	2	1
TOHSON	84.4				93 11				6	0	0	0	4.95	.82	1.52	1	.0	0		8	3	2
UNIONVILLE	84.3	61.5	72.9	-.7	93 11	49 13	0	250	7	0	0	0	3.69	.10	.96	18	.0	0		5	4	0
WESTMINSTER POLICE BRK	84.4	63.5	74.0	-.2	93 11	52 8	0	285	4	0	0	0	5.54	1.54	2.32	7	.0	0		7	4	1
WOODSTOCK	84.7	63.8	74.3	-.6	93 11	51 9	0	295	6	0	0	0	5.39	1.83	3.50	1	.0	0		8	2	1
--DIVISIONAL DATA-->			73.9	-1.2									5.04	1.14			.0	0				
APPALACHIAN MOUNTAIN 07																						
CUMBERLAND 2	84.8	59.8	72.3	-2.1	93 11	49 8	1	239	4	0	0	0	3.38	.19	1.68	1	.0	0		8	1	1
FROSTBURG 2	77.2	52.9	65.1		86 15	37 10	5	59	0	0	0	0	5.41		2.60	1	.0	0		10	3	1
HAGERSTOWN	83.5	63.0	73.3	-1.6	93 11	50 8	2	265	3	0	0	0	4.18	.84	1.30	7	.0	0		8	3	1
HANCOCK FRUIT LAB	84.0	59.9	72.0	-.9	92 13+	46 8	5	227	5	0	0	0	3.50	-.06	.94	6	.0	0		6	3	0
--DIVISIONAL DATA-->			70.7	-2.7									4.12	.70			.0	0				
ALLEGHENY PLATEAU 08																						
MC HENRY 2 NW	75.9	55.3	65.6		83 15	44 8	3	64	0	0	0	0	6.37		1.52	1	.0	0		10	6	1
OAKLAND 1 SE	77.8	54.0	65.9	-1.5	86 14+	39 9	3	69	0	0	0	0	6.80	2.12	1.47	10	.0	0		12	5	1
SAVAGE RIVER DAM	79.5	56.2	67.9	-1.6	87 16	44 8	13	111	0	0	0	0	7.33	3.71	4.14	1	.0	0		11	3	1
--DIVISIONAL DATA-->			66.5	-1.2									6.83	2.56			.0	0				
DELAWARE																						
NORTHERN 01																						
MIDDLETOWN 1 WSW	84.9	63.4	74.2		95 3	51 9	0	289	4	0	0	0	5.82		1.60	7	.0	0		12	4	2
NEWARK UNIVERSITY FARM	85.3	65.2	75.3	-.4	93 11	52 9	0	324	4	0	0	0	8.65	4.33	2.00	21	.0	0		10	7	2
WILMINGTON WSO AP	84.2	66.1	75.2	-.8	98 11	55 9	0	321	7	0	0	0	6.53	2.63	1.17	5	.0	0		9	7	2
WILMGTON PORTER RESVR	83.8	64.4	74.1	-.8	93 12	55 8	0	288	4	0	0	0	8.95	4.82	1.66	27	.0	0		9	7	6
--DIVISIONAL DATA-->			74.7	-1.0									7.49	3.49			.0	0				
SOUTHERN 02																						
BRIDGEVILLE 1 NW	84.3	64.5	74.4	-1.8	92 11	53 9	0	298	4	0	0	0	4.08	-.28	1.04	18	.0	0		9	2	1
DOVER	86.0	66.4	76.2	-.8	94 11	54 9	0	356	7	0	0	0	4.06	-.21	.77	2	.0	0		8	3	0
GEORGETOWN 5 SW	83.4	64.9	74.2	-1.9	94 12	52 9	1	292	4	0	0	0	4.65	-.63	1.26	22	.0	0		8	5	1
LEWES	73.1	64.8	69.0	-6.2	84 12	54 9	12	144	0	0	0	0	3.90	-.26	1.05	21	.0	0		8	3	1
--DIVISIONAL DATA-->			73.5	-2.7									4.17	-.06			.0	0				

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
JULY 1984

STATION	TOTAL	DAY OF MONTH														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
MARYLAND																
SOUTHERN EASTERN SHORE 01																
ASSATEAGUE STATE PARK	3.97	.07						.08	.22							.48
PRINCESS ANNE	6.19	.22							.68							.15
SALISBURY	5.77	.44	1.32								.05					.27
SALISBURY FAA AP	6.30	.01	.65					.50	.20		T					.02
SNOW HILL 4 N	7.00	1.46						1.14	.08		T	.01	.44			.02
			.55					1.40	.40			T	.17			.39
CENTRAL EASTERN SHORE 02																
CAMBRIDGE WTR TRMT PL	7.27	.50														
DENTON 2 E	7.24	.32					.19	.13	.47			.03				.37
ROYAL OAK 2 SSW	4.75	T		.27			.13	.45	.04			.05				.24
VIENNA	4.25	.41		.59			.34	.01	T			.08				.78
			.36				.08	.18	.08							.13
LOWER SOUTHERN 03																
LA PLATA 1 W	5.76	.17	.11	1.50				.17	.40							
MECHANICSVILLE 1 SE	M	-	-	-	-	-	-	-	-	-	-	.24				.02
OWINGS FERRY LANDING	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PATUXENT RIVER	3.29	T	.19				.18	.01	.06	.03		.04	.22		.05	T
UPPER SOUTHERN 04																
ANNAPOLIS POLICE BRKS	5.65	.67		.24				.21	.82							
BALTIMORE WSO AP	3.27	.20		T		.46		.23	.12			.02				.58
BELTSVILLE	6.20	1.46	T	.26				.91	.16		T		T			T
COLLEGE PARK	4.93	.73	.03	.22				.87	1.03			.14	.06			.05
DALECARLIA RESVR D C	6.19	1.73		.18				1.52	.06				.11			.04
GLENN DALE BELL STN	6.40	.80		.32				.41	.98			.16				.13
LAUREL 3 W	6.12	1.10	.09				.49		.16			.10				.32
NATIONAL ARBORETUM D C	5.86	1.03	.28					.50	.45			.09				.70
UPPER MARLBORO 3 NNW	8.20	1.71		.33				.32	1.32				.15			.06
													.14			.25
NORTHERN EASTERN SHORE 05																
CENTREVILLE	4.10	.40	* .06	* .06	*	*	* .41	* .04	* .75	*	*	* .01	* T	*	*	*
CHESTERTOWN	6.70	2.15	.06	.06												*
NORTHERN CENTRAL 06																
ABERDEEN PHILLIPS FLD	5.06			.54				.78								
BALTIMORE WSO CI	3.75	.37	.09	.06			.70	.25	.22			.25	T			.24
BENSON POLICE BARRACKS	7.51	2.05	.04	.08				.77	.45							
BOYDS 2 NW	2.07	.45						.26	.02				.04			.29
BRIGHTON DAM	5.43	2.27	.18	T			.20	T					T			.32
CATOCTIN MOUNTAIN PARK	6.09	.78						.38	1.82				.14			.26
CLARKSVILLE 3 NNE	4.59	2.85		.17			T	.32	.02				.07			.01
CONOWINGO DAM	7.42	3.19	.05	.08			.02	1.22								.41
DAMASCUS 2 SW	2.60	.61		.02			.26	.11	.03				.09			.23
EMMITSBURG 2 SE	5.18	.20						.38	2.15				T			T
FREDRICK POLICE BRKS	6.10	1.02						.43	1.47				.01			.20
FREDERICK 3 E	5.12	.97						.30	.74				.32			T
PARKTON 2 SW	7.08	1.24	.05	.01			.93	.06	3.09				.25			.05
POTOMAC FILTER PLANT	3.14	.52	.10				.10	.16					.04			.02
ROCKVILLE 1 NE	3.57	1.28		.12				.15	.10				.38			.15
TOWSON	4.95	1.52		.19				.49	.09				.05			.15
UNIONVILLE	3.69							.58	.88							.15
WESTMINSTER POLICE BRK	5.54	.55						.82	2.32	T			.05			.24
WOODSTOCK	5.39	3.50		.17				.34					.02			

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (CONT)

MARYLAND AND
DELAWARE
JULY 1984

STATION	DAY OF MONTH															
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
MARYLAND																
SOUTHERN EASTERN SHORE 01																
ASSATEAGUE STATE PARK			1.27		.01	.33	.13					.63			.75	
PRINCESS ANNE			.78	.06		1.73	.37					.35			.48	
SALISBURY			.52	.05		1.98	.38					.53			.30	
SALISBURY FAA AP	T	.57	.33		T	2.24	.10					.43	T		.28	
SNOW HILL 4 N			1.32			.14	.32				T	.37		T	.48	
CENTRAL EASTERN SHORE 02																
CAMBRIDGE WTR TRMT PL	.02		1.17	1.34		.64	1.65				.01	.58			.17	
DENTON 2 E			.98	.24		3.91	.16		.02		.01	.32			.10	
ROYAL OAK 2 SSW			1.37	.15		.62	.23				.04	.23			.31	
VIENNA			.59			.73	1.01					.25			.42	.01
LOWER SOUTHERN 03																
LA PLATA 1 W			.91			1.67	.04	.02				.50			.01	
MECHANICSVILLE 1 SE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OWINGS FERRY LANDING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PATUXENT RIVER	.02	T	1.53		T	.28	.04	T	T	.03	.16	.03	.01	.41		
UPPER SOUTHERN 04																
ANNAPOLIS POLICE BRKS			2.07	.06		.47	.31					.15	.01		.04	
BALTIMORE WSO AP	R	.02	.38			1.10	.36	T			.03	.22			.03	
BELTSVILLE		.88	.17	.28		1.08	.27	.15	.01			.21	.09		.02	
COLLEGE PARK		T	.53			.83	.20	.08	T			.25	T		.01	
DALECARLIA RESVR D C	.15		.60			1.22	.16				.01	.27				
GLENN DALE BELL STN		.30	.40	.43		1.74	.19	.04				.34			.03	
LAUREL 3 W	1.50		.84			.81	.34					.27				
NATIONAL ARBORETUM D C		.48	.14	.87		1.04	.38	.10			.02	.31	.04		.01	
UPPER MARLBORO 3 NNW		T	1.60	.61		.79	.42	.27	.09		.04	.27			.04	
NORTHERN EASTERN SHORE 05																
CENTREVILLE	*	*	*	*	*	*	*	*							.35	T
CHESTERTOWN	T		1.82			.71	.10		3.35		T	.42		T	.17	
NORTHERN CENTRAL 06																
ABERDEEN PHILLIPS FLD	R	.36	.26	.16		*.98	*.44	2.10				.33	*	*	.04	
BALTIMORE WSO CI			.29			1.83	.19					.35				
BENSON POLICE BARRACKS		.58	.20	.20		1.83	.19	.06				.27				
BOYDS 2 NW			.42			.25	.23					.12				
BRIGHTON DAM	1.00	T	.56			.80	.22	T				.20				
CATOCTIN MOUNTAIN PARK			.80			.99	.11	.01				.80				
CLARKSVILLE 3 NNE	.16	T	.24			.54	.07					.14				
CONOWINGO DAM			.04	.33		1.16	.14	.03				.66				
DAMASCUS 2 SW			.66			.35	.18	T			T	.15				
EMMITSBURG 2 SE			.32			.25	.10	.22				1.35				
FREDRICK POLICE BRKS	T	.05	1.89			.30	.11					.51				
FREDERICK 3 E	.07		1.90	.04		.57	.07					.16				
PARKTON 2 SW		.01	.46			.38	.19					.60				
POTOMAC FILTER PLANT	.34		.39			.58	.35					.22				
ROCKVILLE 1 NE	T	.26	.45			.63	.07	.07			.08	.21				
TOWSON	.22		.60			1.14	.01					.49				
UNIONVILLE			.96						.84			.43				
WESTMINSTER POLICE BRK	.04		.93			.24	.04					.31				
WOODSTOCK	.13		.16			.80	.15					.12				

SEE REFERENCE NOTES FOLLOWING STATION INDEX
6

DAILY PRECIPITATION (INCHES)

MARYLAND AND
DELAWARE
JULY 1984

STATION	TOTAL	DAY OF MONTH														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
APPALACHIAN MOUNTAIN 07																
CUMBERLAND 2	3.38	1.68		.04		.19	.22	.33				.35	.10			
EDGEMONT	6.05	1.39					.64	1.73				.14	.04			
FROSTBURG 2	5.41	2.60		T		.05	.56	.28			T	.46	.16			T
HAGERSTOWN	4.18	.98					.32	1.30			.30		.08			
HANCOCK FRUIT LAB	3.50	.62				.41	.94	.71			.36					
ALLEGHENY PLATEAU 08																
MC HENRY 2 NW	6.37	1.52	.04			.16	.81	.50			.85	.45	.42			
MERRILL	4.70	1.80				.17	.64	.42				.65	.20			
OAKLAND 1 SE	6.80	.91	.06		.17	.40	.54	.41			1.47		.03		.65	
SAVAGE RIVER DAM	7.33	4.14	.01			.15	.50	.46			.57	.39	.19			
DELAWARE																
NORTHERN 01																
MIDDLETOWN 1 WSW	5.82	1.13		.09		.14	.61	1.60			.07	.15	.26			
NEWARK UNIVERSITY FARM	8.65	.72					1.72	.90			.05		.89			
WILMINGTON WSO AP	6.53	.16	T	.01		1.17	.01	1.03			.01	.78				
WILMGTON PORTER RESVR	8.95	1.10		T		1.00	.06	1.31			.02	.74				
SOUTHERN 02																
BRIDGEVILLE 1 NW	4.08	.36		.45			.53	.25			.03	.01	.24			
DOVER	4.06	.06	.77	.44			.18	.43			.03	.07	.06			
GEORGETOWN 5 SW	4.65	.66		.55			.04			.35	.02	.02	.65			
LEWES	3.90	.10		.20				.63	.05		.01	.01	.90			

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (CONT)

MARYLAND AND
DELAWARE
JULY 1984

STATION	DAY OF MONTH															
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
APPALACHIAN MOUNTAIN CUMBERLAND 2																
EDGEMONT			.18			.09			.07			.13				
FROSTBURG 2	T		.55	.37		.70	T	T				.37	.12			
HAGERSTOWN	T		.61	.03		.18	.11	.16				.18	.03			
HANCOCK FRUIT LAB	T		.12			.62	.14					.32				
			.07			.05	T	.04				.30				
ALLEGHENY PLATEAU MC HENRY 2 NW																
MERRILL			.55	.05		.34			.02			.57	.09	T		
OAKLAND 1 SE	.22	T	.28	.01		.30			.04			.20				
SAVAGE RIVER DAM			.42	.01		.56						.70	.01			
			.30	.01		.27	T	.03		.24	T	.21	.10			
DELAWARE																
NORTHERN MIDDLETOWN 1 WSW																
NEWARK UNIVERSITY FARM			.75	.28		.33	.11					.15			.15	
WILMINGTON WSO AP	R	.34	.35	.64		2.00	.17					.82			.05	
WILMGTON PORTER RESVR			.99			.59	.67				T	.79		T	.02	
			.41			1.21	.15					1.66			.03	
SOUTHERN BRIDGEVILLE 1 NW																
DOVER			1.04	.06		.45	.12	.01				.42			.08	
GEORGETOWN 5 SW			.76	.38		.69	.02				.03	.15			.02	
LEWES			.03	.52		.05	1.26					.33			.07	.12
			.31	.03		1.05	.15					.40			.06	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

TOTAL SNOWFALL AND NUMBER OF DAYS
WITH ONE INCH OR MORE ON GROUND

MARYLAND AND
DELAWARE
JULY 1984

STATION.	JUL		AUG		SEP		OCT		NOV		DEC		JAN		FEB		MAR		APR		MAY		JUN		TOTAL		TOTAL PRECIPITATION
	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	
MARYLAND																											
SOUTHERN EASTERN SHORE 01																											
ASSATEAGUE STATE PARK																											
SALISBURY FAA AP																											
SNOW HILL 4 N																											
CENTRAL EASTERN SHORE 02																											
CAMBRIDGE WTR TRMT PL DENTON 2 E																											
ROYAL OAK 2 SSW																											
LOWER SOUTHERN 03																											
LA PLATA 1 W																											
OWINGS FERRY LANDING																											
PATUXENT RIVER																											
UPPER SOUTHERN 04																											
ANNAPOLIS POLICE BRKS																											
BALTIMORE WSO AP																											
BELTSVILLE																											
COLLEGE PARK																											
DALECARLIA RESVR D C																											
GLENN DALE BELL STN																											
NATIONAL ARBORETUM D C																											
UPPER MARLBORO 3 NNW																											
NORTHERN EASTERN SHORE 05																											
CENTREVILLE																											
CHESTERTOWN																											
NORTHERN CENTRAL 06																											
ABERDEEN PHILLIPS FLD																											
BENSON POLICE BARRACKS																											
BOYDS 2 NW																											
BRIGHTON DAM																											
CATOCTIN MOUNTAIN PARK																											
CLARKSVILLE 3 NNE																											
CONOWINGO DAM																											
DAMASCUS 2 SW																											
EMMITSBURG 2 SE																											
FREDRICK POLICE BRKS																											
FREDERICK 3 E																											
PARKTON 2 SW																											
POTOMAC FILTER PLANT																											
ROCKVILLE 1 NE																											
UNIONVILLE																											
WESTMINSTER POLICE BRK																											
WOODSTOCK																											

SEE REFERENCE NOTES FOLLOWING STATION INDEX

TOTAL SNOWFALL AND NUMBER OF DAYS
WITH ONE INCH OR MORE ON GROUND

MARYLAND AND
DELAWARE
JULY 1984

STATION	JUL		AUG		SEP		OCT		NOV		DEC		JAN		FEB		MAR		APR		MAY		JUN		TOTAL		TOTAL PRECIPITATION	
	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD	SNOWFALL	1 IN ON GD		
APPALACHIAN MOUNTAIN 07																												
CUMBERLAND 2											3.0	10	11.5	25	2.0	5	18.0	-	T	0					34.5	40	38.19	
EDGEMONT											.7	1	8.9	21	1.5	8	13.0	-							24.1	40	49.75	
FROSTBURG 2							T	0	13.7	9	14.5	15	23.5	31	11.8	14	40.5	27	1.3	3	T	0			105.3	99	47.05	
HAGERSTOWN							T	0	T	0	1.0	0	9.2	18	.7	0	8.8	-	T	0					19.7	18	43.64	
HANCOCK FRUIT LAB							T	0	T	0	1.0	1	9.0	17	1.0	2	-	-							11.0	20	34.37	
ALLEGHENY PLATEAU 08																												
MC HENRY 2 NW							.5	0	20.0	11	14.0	20	25.0	31	17.0	17	43.5	26	3.0	3					123.0	108	49.87	
MERRILL									3.0	5	4.0	13	15.0	31	4.0	10	27.0	15	T	0					53.0	74	37.26	
OAKLAND 1 SE													26.3	-	21.3	15	30.5	22	2.3	0					80.4	37	35.98	
SAVAGE RIVER DAM							T	0	T	0	2.0	7	-	20	2.0	4	17.0	16							21.0	47	40.46	
DELAWARE																												
NORTHERN 01																												
MIDDLETOWN 1 WSW													7.7	-			5.0	-								7.7	M	49.73
NEWARK UNIVERSITY FARM													2.9	-				-								7.9	M	46.05
WILMINGTON WSO AP													9.7	14	T	1	5.2	4			T	0				14.9	19	47.94
WILMINGTON PORTER RESVR													9.0	-			5.5	4								14.5	M	55.07
SOUTHERN 02																												
BRIDGEVILLE 1 NW													6.0	11	T	0	T	0								6.0	11	49.40
DOVER													7.3	7	T	0										7.3	M	50.88
GEORGETOWN 5 SW													6.1	8												6.1	M	56.62
LEWES													2.0	-												2.0	M	59.68

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
JULY 1984

STATION	DAY OF MONTH																															AVERAGE		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
LAUREL 3 W	MAX MIN OBS	84 66	87 63	63	66	67	67	62	54	57	65	70	71	91	93	88	91	93	89	90	87	80	83	79	86	89	83	79	82	75	77	83	M	
NATIONAL ARBORETUM D C	MAX MIN	80 63	80 65	87 62	87 65	90 71	89 67	85 68	82 57	85 58	81 59	81 66	94 70	89 63	89 65	92 65	92 69	89 65	89 67	83 61	83 63	86 65	74 64	82 67	87 72	92 67	84 64	80 65	84 62	73 59	76 60	80 60	84.7	
UPPER MARLBORO 3 NNW	MAX MIN	80 68	85 64	85 62	86 66	89 67	89 68	84 67	82 53	76 50	81 61	79 65	94 69	87 61	94 64	90 67	90 68	87 64	87 64	80 57	82 59	83 65	74 64	80 66	85 68	91 64	83 62	77 66	83 60	74 56	74 59	78 59	83.5	
NORTHERN EASTERN SHORE 05	MAX MIN	85 68																								92 69	84 65	85 67	81 63	86 61	79 55	77 57	84 59	M
CHESTERTOWN	MAX MIN	83 69	84 65	86 66	89 70	87 69	84 70	83 65	78 57	80 56	78 64	93 69	88 73	90 67	90 70	90 67	90 78	89 70	81 65	82 63	86 63	74 67	83 68	87 70	91 74	84 67	83 65	83 68	75 63	76 61	74 64	83 62	84.0	
NORTHERN CENTRAL 06	MAX MIN OBS	83 62	85 59	85 62	88 66	86 75	86 68	83 67	80 57	77 54	78 60	92 67	92 69	89 63	91 68	90 67	89 75	88 68	87 73	82 62	82 61	85 66	85 63	87 68	89 68	89 70	87 59	82 68	78 63	80 60	79 66	82 60	85.0	
ABERDEEN PHILLIPS FLD	MAX MIN OBS	83 62	85 59	85 62	88 66	86 75	86 68	83 67	80 57	77 54	78 60	92 67	92 69	89 63	91 68	90 67	89 75	88 68	87 73	82 62	82 61	85 66	85 63	87 68	89 68	89 70	87 59	82 68	78 63	80 60	79 66	82 60	85.0	
BALTIMORE WSO CI	MAX MIN	87 70	87 68	90 68	93 72	92 72	86 72	86 66	79 60	85 62	83 69	98 73	90 75	92 72	96 71	89 71	93 75	87 68	84 68	84 63	74 67	82 66	86 67	94 72	94 72	84 70	82 66	82 66	76 62	77 63	77 66	79 66	84 65	86.0
BENSON POLICE BARRACKS	MAX MIN	82 60	85 60	85 60	86 59	88 75	88 69	82 70	79 55	77 53	73 61	92 70	93 70	94 64	90 68	91 65	90 75	90 66	85 65	82 60	83 60	84 64	84 61	81 69	89 70	88 68	84 61	82 65	77 61	76 58	79 63	82 59	84.5	
BOYDS 2 NW	MAX MIN	80 67	85 63	85 62	89 65	87 71	86 66	81 65	78 51	80 53	79 62	93 67	86 66	89 62	93 65	90 66	87 73	84 63	80 59	83 61	83 64	80 66	85 64	88 68	87 68	80 65	80 66	77 56	77 58	78 59	78 59	83 59	84.0	
CATOCTIN MOUNTAIN PARK	MAX MIN	72 64	76 60	77 61	80 61	80 68	78 65	75 62	73 50	72 56	75 62	86 65	85 64	79 65	82 67	82 67	80 71	80 68	80 55	83 56	77 61	78 60	80 63	80 66	82 69	81 63	73 63	71 63	69 56	72 58	72 61	75 60	77.4	
CLARKSVILLE 3 NNE	MAX MIN	83 67	87 62	87 63	90 62	89 74	87 68	81 70	78 51	80 49	83 59	95 67	94 70	90 59	92 62	92 61	87 75	87 63	82 66	83 57	82 60	81 64	88 66	88 67	89 69	88 65	81 62	82 67	77 58	76 56	78 63	85 56	85.4	
CONOWINGO DAM	MAX MIN	80 65	84 64	87 64	87 66	87 69	83 69	81 61	76 58	79 54	77 64	93 70	85 69	90 63	90 66	88 66	80 74	85 67	80 65	83 61	84 60	74 65	85 68	90 58	85 69	82 66	82 66	75 63	78 60	78 64	83 59	83.4		
DAMASCUS 2 SW	MAX MIN	80 58	83 61	85 61	88 64	87 67	80 66	79 65	74 49	79 51	93 62	86 69	86 69	89 62	91 64	90 64	80 73	80 63	79 65	79 57	83 60	76 63	81 64	84 68	87 68	81 64	80 66	74 58	77 57	77 62	84 59	82.7		
EMMITSBURG 2 SE	MAX MIN	85 60	83 60	84 62	85 61	86 70	86 67	80 65	78 50	78 49	93 60	92 68	92 68	87 58	88 60	89 62	87 73	89 65	84 58	81 55	82 62	81 65	84 66	88 68	87 65	81 60	79 64	79 57	78 61	78 61	81 55	83.5		
FREDRICK POLICE BRKS	MAX MIN	81 67	85 67	87 64	89 67	89 72	88 68	82 66	79 56	80 54	95 65	95 70	95 71	91 66	92 68	90 72	90 72	88 66	88 64	88 62	84 62	84 60	85 65	89 71	89 72	90 70	83 66	82 66	79 61	79 59	78 64	85 59	85.7	
PARKTON 2 SW	MAX MIN	78 62	83 60	84 59	87 61	85 67	80 66	77 53	73 49	76 48	78 56	80 64	84 62	82 62	88 61	87 61	84 69	81 60	81 55	78 55	81 63	81 62	84 65	87 65	80 59	78 56	80 60	77 55	75 55	75 59	81 55	81.2		
ROCKVILLE 1 NE	MAX MIN	85 71	88 68	88 66	92 67	90 77	91 72	87 72	81 55	83 52	96 67	96 73	96 74	92 66	93 68	93 68	89 79	89 68	88 67	81 62	86 62	85 68	82 72	87 73	91 70	84 66	84 70	80 62	77 60	77 66	84 53	86.9		
TOWSON	MAX MIN	81 67	85 67	85 64	88 66	87 67	87 66	83 53	78 49	78 48	94 56	93 64	93 62	89 62	91 61	90 61	86 69	83 60	83 61	82 55	83 55	83 63	84 62	85 65	90 65	89 59	80 60	82 56	75 55	76 59	78 55	83 55	84.4	
UNIONVILLE	MAX MIN OBS	81 68	84 58	85 60	87 59	86 70	86 66	80 61	78 55	80 53	92 64	91 64	91 71	89 64	90 64	91 65	92 66	91 65	90 59	81 49	84 60	83 61	80 62	85 69	88 69	80 55	79 60	80 66	75 55	79 55	79 60	82 53	84.3	
WESTMINSTER POLICE BRK	MAX MIN	78 65	85 63	84 63	88 64	88 71	86 67	86 65	81 52	86 56	93 62	93 66	93 69	88 65	91 66	91 65	89 71	89 65	85 64	86 59	83 59	82 63	81 64	85 68	87 70	87 65	81 62	80 65	75 57	76 59	77 61	83 57	84.4	
WOODSTOCK	MAX MIN	82 67	85 62	86 62	88 62	88 73	87 68	83 69	78 52	81 51	93 61	92 68	92 69	90 61	91 64	90 63	87 75	84 64	84 67	82 59	83 58	81 65	81 67	89 69	85 65	83 62	81 68	87 69	83 60	76 58	78 63	84 57	84.7	

SEE REFERENCE NOTES FOLLOWING STATION INDEX
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DAILY TEMPERATURES (°F)

MARYLAND AND
DELAWARE
JULY 1984

STATION		DAY OF MONTH																															AVERAGE
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
APPALACHIAN MOUNTAIN 07	MAX	83	85	88	88	86	84	78	78	81	84	93	88	89	92	92	90	89	82	82	86	83	81	87	88	85	82	78	81	78	82	87	84.8
	MIN	60	58	59	61	66	64	62	49	52	61	65	58	60	61	63	59	62	59	55	55	62	62	65	65	62	64	54	57	59	57	58	59.8
CUMBERLAND 2	MAX	73	74	77	80	81	80	77	68	68	77	79	85	80	82	86	84	81	81	73	76	80	75	74	81	80	77	78	68	72	71	74	77.2
	MIN	51	58	52	49	52	63	60	46	43	37	54	60	52	51	52	55	55	56	53	48	50	57	60	65	60	51	52	50	47	48	54	52.9
FROSTBURG 2	MAX	78	84	85	88	87	83	79	75	80	80	93	88	88	91	89	90	89	82	81	83	79	83	85	89	83	81	78	76	78	79	84	83.5
	MIN	65	62	63	65	70	67	65	50	54	63	69	68	61	65	66	67	63	66	58	62	58	63	67	67	66	63	66	57	58	62	57	63.0
HAGERSTOWN	MAX	79	84	84	87	86	81	87	75	79	82	91	92	92	91	90	88	88	85	79	82	82	81	85	87	87	81	77	77	79	80	85	84.0
	MIN	65	60	59	58	66	67	64	46	48	59	63	56	60	59	60	68	57	65	55	58	62	60	66	66	62	60	67	52	54	59	55	59.9
ALLEGHENY PLATEAU 08	MAX	68	70	77	77	78	78	72	72	69	72	75	82	77	82	83	81	80	82	72	74	80	73	73	81	77	78	75	74	74	75	73	75.9
	MIN	58	57	55	57	62	61	55	44	47	50	60	57	57	58	61	59	59	60	50	52	57	54	54	55	55	56	60	50	50	50	55	55.3
MC HENRY 2 NW	MAX	72	80	80	78	80	76	74	69	76	77	85	86	82	86	84	82	81	73	75	80	79	70	82	82	78	77	72	73	68	72	83	77.8
	MIN	60	52	53	52	61	64	57	42	39	56	61	52	52	51	51	65	51	61	52	47	57	52	64	52	56	55	57	51	50	52	50	54.0
OAKLAND 1 SE	MAX	75	75	79	79	79	81	72	78	84	81	85	86	83	84	85	87	85	85	74	77	80	74	76	84	83	79	76	69	81	73	76	79.5
	MIN	62	60	56	57	60	65	62	44	45	46	64	61	55	56	58	60	55	56	52	50	53	56	59	63	59	57	58	52	54	54	53	56.2
SAVAGE RIVER DAM	MAX	75	75	79	79	79	81	72	78	84	81	85	86	83	84	85	87	85	85	74	77	80	74	76	84	83	79	76	69	81	73	76	79.5
	MIN	62	60	56	57	60	65	62	44	45	46	64	61	55	56	58	60	55	56	52	50	53	56	59	63	59	57	58	52	54	54	53	56.2
DELAWARE NORTHERN 01	MAX	85	84	95	87	86	86	84	86	79	79	91	90	88	90	89	89	87	86	80	86	84	81	86	88	87	84	82	80	76	76	81	84.9
	MIN	63	62	64	69	64	67	65	66	51	59	66	69	62	64	65	64	65	66	58	59	65	67	68	71	67	60	65	60	57	57	59	63.4
MIDDLETOWN 1 WSW	MAX	82	85	85	89	89	85	87	83	78	78	93	92	89	91	90	89	89	85	83	85	81	83	87	89	89	83	85	82	79	76	83	85.3
	MIN	67	64	64	65	74	67	69	55	52	60	68	68	63	67	67	75	74	74	59	59	64	69	69	70	69	60	65	62	58	64	60	65.2
NEWARK UNIVERSITY FARM	MAX	84	85	86	90	90	85	84	78	80	76	98	87	90	91	86	90	85	80	81	84	76	82	88	91	84	82	83	76	78	76	83	84.2
	MIN	70	66	67	70	71	71	65	56	55	64	70	71	67	70	70	71	67	65	62	61	67	69	71	73	64	62	65	62	60	65	61	66.1
WILMINGTON WSO AP	MAX	84	86	85	89	88	87	81	77	80	80	91	93	90	92	89	89	85	83	81	83	77	82	87	88	80	81	80	75	77	75	83	83.8
	MIN	66	65	67	67	65	67	65	55	56	60	65	66	68	73	67	72	63	63	59	59	62	65	68	71	65	65	62	62	61	65	63	64.4
WILMINGTON PORTER RESVR	MAX	85	83	86	85	88	88	87	82	75	79	79	94	86	85	90	89	87	86	80	81	84	75	81	85	90	90	79	85	73	73	76	83.4
	MIN	72	63	66	65	67	71	64	57	52	60	67	68	62	61	65	71	70	72	61	57	67	68	70	72	68	62	67	63	57	65	62	64.9
LEWES	MAX	72	74	75	79	78	76	70	69	65	69	83	84	76	79	76	75	73	69	70	73	69	66	71	80	79	70	74	74	64	65	70	73.1
	MIN	69	66	67	69	74	69	62	63	54	61	62	70	65	68	64	72	68	66	63	60	57	65	70	68	63	66	59	60	60	63	64.8	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY AND SEASONAL HEATING DEGREE DAYS

MARYLAND AND
DELAWARE
JULY 1984

STATION	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL	SEASONAL NORM
MARYLAND														
SOUTHERN EASTERN SHORE 01														
ASSATEAGUE STATE PARK	0	0	30	151	396	740	1008	660	727	356	126	7	4201	
PRINCESS ANNE	0	0	72	192	446	829	998	613	727	379	139	108 B	4405	4298
SALISBURY	0	1	63	164	411	798	982	584	702	328	95	4	4132	4016
SALISBURY FAA AP	0	1	54	175	387	768	945	550	693	334	128	10	4045	4411
SNOW HILL 4 N	0	1	70	208	444	817	1002	633	730	354	116	6	4381	4239
CENTRAL EASTERN SHORE 02														
CAMBRIDGE WTR TRMT PL	0	0	40	176	423	843	1036	592	721	330	80	1 B	4242	4331
DENTON 2 E	0	0	76	209	464	878	1097	636	749	390	140	12	4651	4446
ROYAL OAK 2 SSW	0	0	44	181	437	871	1070	643	729	329	93	2	4399	4192
VIENNA	0	0	57 B	169	426	827	1030	582	706	295	83	4 B	4179	4140
LOWER SOUTHERN 03														
LA PLATA 1 W	0	0	74	217	479	945	1067	625	731	338	133	10	4619	4384
MECHANICSVILLE 1 SE	1 B	4	71	205	432	730 B	1015	581	682 B				3721	
OWINGS FERRY LANDING	7	4					1164 B	662						4384
PATUXENT RIVER	0	0	34	166	417	821	1002 B	640	713	325	100	2	4220	
UPPER SOUTHERN 04														
ANNAPOLIS POLICE BRKS	0	0	44	191	466	904	1068	660	746	341	94	4	4518	
BALTIMORE WSO AP	0	0	70	257	530	979	1123	671	825	397	169	9	5030	4706
BELTSVILLE	0	2	85	298	569	1001	1169	726	868	418	165	16	5317	5053
COLLEGE PARK	0	2	62	243	507	946	1104	666	785	366	117	12	4810	4455
DALECARLIA RESVR D C	1	0	57	221	478	982	1066	664	792		133	4 B M	4398	4425
GLENN DALE BELL STN	1	0	92	283	536	1000	1121	702	779	377	151	12	5054	4649
LAUREL 3 W	0	0 B	58	283 B	519	986	1098	709		346	134		4133	4489
NATIONAL ARBORETUM D C	0	2	76	269	536	963	1102	688	794	377	133	17	4957	4267
UPPER MARLBORO 3 NNW	0	4	106	280	545	963	1133	692	804	381	136	13	5057	
NORTHERN EASTERN SHORE 05														
CENTREVILLE	0	0	48	234	476		1106	657	787	370	127		3805	
CHESTERTOWN	0	0	50	232	477	938	1136	691	820	377	135	7	4863	4600
NORTHERN CENTRAL 06														
ABERDEEN PHILLIPS FLD	0	0	58		454		1113	713 B	761 B	351	149 B	108 B	3609	
BALTIMORE WSO CI	0	0	36	192	437	924	1054	634	714	270	114	0	4375	4083
BENSON POLICE BARRACKS	0	0	57	261	564	1026	1168	749	866	416	158	15	5280	4998
BOYDS 2 NW	0	1	81	253	507	1030	1113	689	829	391	148	9	5051	
CATOCTIN MOUNTAIN PARK	3	8	110	343	624	1156	1204	804	975	491	211	23	5952	
CLARKSVILLE 3 NNE	1	1	101	281	554	1022	1164		842	414	163	15	4558	
CONOWINGO DAM	0	0	73	282	560	1001	1199	766	882	433	151	16	5363	5206
DAMASCUS 2 SW	0	1	88	291	545	1061	1152	736	873	423	177	14	5361	
EMMITSBURG 2 SE	1	2	98	292	581	1036	1203	742	859	427	164	15	5420	
FREDRICK POLICE BRKS	0	0	71	246	499	1000	1116	690	815	372	120	7	4936	
PARKTON 2 SW	4	4	110	333	608	1093	1214	797			212	25	4400	
ROCKVILLE 1 NE									777	296	93	6		4663
TOWSON	0	0	44	256	510	1012	1207	725	854		135		4743	
UNIONVILLE	5	7	119	303	605	1048	1239	753	888	449	207		5623	5415
WESTMINSTER POLICE BRK	1	3	82	268	545	1035 B	1136	716	880	401	143	8	5218	5250
WOODSTOCK	0	0	84	270	552	1021	1137	728	841		154	9	4796	5027
APPALACHIAN MOUNTAIN 07														
CUMBERLAND 2	0	0	104	287	594	1081	1151	706	890	382	174	5	5374	5106
FROSTBURG 2	23	18	173	456	752	1264	1299	884	1123	599	326	74	6991	
HAGERSTOWN	0	0	94	279	543	1062	1165	736	875	401	157		5312	5086
HANCOCK FRUIT LAB	6	0	125	329	584	1067	1188	738		417	186	12	4652	5573

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY AND SEASONAL HEATING DEGREE DAYS

MARYLAND AND
DELAWARE
JULY 1984

STATION	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL	SEASONAL NORM
ALLEGHENY PLATEAU 08														
MC HENRY 2 NW	23	13	211	466	762	1319	1346	922	1130	611	348	51	7202	
OAKLAND 1 SE	19	22					1253	870	1031	573	312	53	4133	6599
SAVAGE RIVER DAM	16	11	166	432	729	1190	1283	867	1042	543	277	35	6591	6335
DELAWARE														
NORTHERN 01														
MIDDLETOWN 1 WSW	0	0	70	248	525	929	1172	695	839	405	139	13	5035	
NEWARK UNIVERSITY FARM	0	0	70 ^B	248	508	1007	1148	740	842		111 ^B	10	4684	4906
WILMINGTON WSO AP	0	0	74	275	542	1013	1240	758	904	422	162	5	5395	4986
WILMGTON PORTER RESVR	0	0	75	282	557	1008	1189	767	912	436	174	5	5405	5127
SOUTHERN 02														
BRIDGEVILLE 1 NW	0	0	84	241	510	875	1063	626	749	363	111	7	4629	4480
DOVER	0	0	53	191	457	861	1057	661	782	355	107		4524	4356
GEORGETOWN 5 SW	0	7	84	249	502	868	1100	662	802	401	142	15	4832	4571
LEWES	0 ^B	0	43	156	414	809	1007	641	769	359	117 ^B	81	4396	4505

SEE REFERENCE NOTES FOLLOWING STATION INDEX

EVAPORATION AND WIND

MARYLAND AND
DELAWARE
JULY 1984

STATION		DAY OF MONTH																														TOTAL OR AVG				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31			
MARYLAND																																				
UPPER SOUTHERN	04																																			
BELTSVILLE		WIND	13	19	13	14	*	70	49	*	24	8	14	36	14	11	16	*	71	44	17	11	37	20	38	15	28	9	24	24	15	20	18	69.2		
		EVAP	-	-	23	22	*	60	29	*	49	22	5	28	27	29	24	23	33	19	13	23	26	3	18	15	25	24	10	14	13	15	10	6.438		
		MAX	85	90	94	94	-	-	87	-	-	92	81	98	99	98	99	99	93	92	88	93	90	77	88	91	92	95	80	86	81	80	85	89.9		
		MIN	65	66	70	69	-	-	74	-	-	63	67	73	71	71	70	70	69	70	64	64	70	69	71	72	70	68	69	66	63	65	66	68.3		
UPPER MARLBORO 3 NNW																																				
BELTSVILLE		WIND	24	7	12	8	29	45	50	15	30	5	3	17	15	4	5	8	7	14	11	10	22	9	15	2	14	9	5	17	18	9	8	44.7		
		EVAP	-	16	24	18	27	26	30	17	25	21	5	25	29	21	23	32	9	33	15	19	26	8	12	13	28	26	10	15	15	7	17	6.128		
		MAX	81	90	92	92	93	91	85	86	85	90	79	97	96	94	96	95	91	91	86	88	90	77	87	87	94	92	78	85	77	77	86	88.0		
		MIN	71	72	71	71	73	73	72	61	60	63	70	73	73	73	72	72	73	73	66	66	69	71	72	75	72	71	72	67	66	65	69	69.9		
ALLEGHENY PLATEAU 08																																				
SAVAGE RIVER DAM		WIND	14	28	17	22	11	18	23	51	33	22	33	46	35	20	18	19	36	15	41	31	18	14	17	15	58	22	12	39	19	18	22	78.7		
		EVAP	-	9	11	13	4	25	64	40	14	11	21	12	19	15	24	15	17	13	28	4	11	6	10	12	20	16	11	13	6	13	1	4.948		
		MAX	73	78	85	84	82	81	82	80	80	84	82	86	87	89	84	87	87	85	78	86	81	73	73	86	84	88	77	66	81	75	82	81.5		
		MIN	62	62	63	63	63	67	66	57	52	53	52	65	61	61	62	64	62	62	62	62	58	61	61	65	62	62	62	57	52	59	59	60.6		
DELAWARE																																				
NORTHERN	01																																			
NEWARK UNIVERSITY FARM		WIND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M		
		EVAP	-	29	23	20	24	34	48	40	19	6	14	48	29	25	19	25	18	16	30	-	-	-	-	25	26	24	31	22	*	30	16	9	20	7.428
		MAX	-	92	91	93	93	89	85	83	86	85	95	95	94	95	98	94	91	92	81	-	-	92	80	96	92	91	89	-	82	80	80	92	89.5	
		MIN	-	68	69	69	70	69	70	58	60	65	58	72	71	72	72	73	70	73	79	-	-	74	80	80	75	69	67	-	64	64	64	67	69.4	
SOUTHERN																																				
GEORGETOWN 5 SW	02	WIND	77	77	56	84	103	52	117	38	55	56	49	96	41	49	44	97	100	85	70	39	76	49	40	66	88	39	57	89	53	57	43	224.2		
		EVAP	14	17	30	33	30	31	22	28	26	28	10	51	28	-	-	29	18	16	18	28	26	7	16	20	*	58	17	27	15	10	12	7.118		
		MAX	91	90	94	94	95	93	92	84	87	90	83	99	97	92	99	97	90	94	85	87	93	78	91	95	96	95	83	92	90	77	85	90.6		
		MIN	68	72	72	73	73	74	70	61	61	63	66	72	72	70	74	77	73	74	67	67	72	71	75	75	73	72	71	66	66	68	68	70.2		

EVAPORATION: IS MEASURED IN HUNDRETHS OF INCHES
WIND: IS MEASURED IN MILES
MAX AND MIN: THE MAXIMUM AND MINIMUM TEMPERATURES (FAHRENHEIT) OF THE WATER IN THE EVAPORATION PAN
SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
DELAWARE
JULY 1984

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES				OBSERVER
							LOCAL STD TIME				
							TEMP	PRECIP	EVAP	SPECIAL (SEE NOTES)	
MARYLAND											
ABERDEEN PHILLIPS FLD	0015	06	HARFORD	39 28	76 10W	57	16	16			
ANNAPOLIS POLICE BRKS	0193	04	ANNE ARUNDEL	38 59	76 30W	25	17	17	C	H	ROSS AVIATION INC
ASSATEAGUE STATE PARK	0335	01	WORCESTER	38 14	75 8W	7	17	17		H	ANNAPOLIS POLICE BRKS
BALTIMORE WSO AP	0465	04	ANNE ARUNDEL	39 11	76 40W	196	MID	MID		H	ASSATEAGUE STATE PARK
BALTIMORE WSO CI	0470	06	BALTO CITY	39 17	76 37W	91	MID	MID	C	H	NATL WEATHER SERVICE
BELTSVILLE	0700	04	PRN GEORGES	39 2	76 53W	120	8	8		H	OCSI COMMANDING OFFICER
BENSON POLICE BARRACKS	0732	06	HARFORD	39 30	76 23W	365	17	17	B	C	U S DEPT OF AGRICULTURE
BOYDS 2 NW	1032	06	MONTGOMERY	39 13	77 20W	580	18	18		H	MARYLAND STATE POLICE
BRIGHTON DAM	1125	06	MONTGOMERY	39 12	77 1H	330		MID			HUNTER F STALEY
CAMBRIDGE WTR TRMT PL	1385	02	DORCHESTER	38 34	76 4W	5	16	16		H	WASH SUB SANY COMM
CATOCTIN MOUNTAIN PARK	1530	06	FREDERICK	39 39	77 29W	1610	17	17	C	H	WASTEWATER TRTMT PLANT
CENTREVILLE	1627	05	QUEEN ANNES	39 3	76 4W	60	17	17		H	CATOCTIN MOUNTAIN PARK
CHESTERTOWN	1750	05	KENT	39 13	76 4W	40	23	23		H	MICHAEL B CATE
CLARKSVILLE 3 NNE	1862	06	HOWARD	39 15	76 56W	365	17	17		H	THOMAS W ELIASON JR
COLLEGE PARK	1995	04	PRN GEORGES	38 59	76 57W	90	9	9		H	UNIVERSITY OF MARYLAND
CONOWINGO DAM	2060	06	HARFORD	39 39	76 10W	40	MID	MID	C	H	UNIVERSITY OF MARYLAND
CRISFIELD SOMERS COVE	2215	01	SOMERSET	37 59	75 52W	8	17	17		H	SUSQUEHANNA ELECTRIC CO
CUMBERLAND 2	2282	07	ALLEGANY	39 38	78 45W	730	18	7		H	INACTIVE 03/31/83
DALECARLIA RESVR D C	2325	04	ALLEGANY	38 56	77 7W	146	17	17		H	TIMOTHY B THOMAS
DAMASCUS 2 SW	2335	06	MONTGOMERY	39 15	77 14W	720	19	19		H	U S CORPS OF ENGINEERS
DENTON 2 E	2523	02	CAROLINE	38 53	75 48W	50	17	17		H	RICHARD W SCHWERDT
EDGEMONT	2770	07	WASHINGTON	39 40	77 33W	905	7			H	ARTHUR REINHOLD
EMMITSBURG 2 SE	2906	06	FREDERICK	39 41	77 18W	416	17	17		H	JOHN W HARNE
FREDRICK POLICE BRKS	3348	06	FREDERICK	39 25	77 26W	380	17	17		H	MRS LUCILLE K BEALE
FREDRICK 3 E	3355	06	FREDERICK	39 24	77 22W	385	7	7		H	MARYLAND STATE POLICE
FROSTBURG 2	3415	07	ALLEGANY	39 40	78 56W	2170	7	7		H	MISS I MARY STALEY
GLENN DALE BELL STN	3675	04	PRN GEORGES	38 58	76 48W	150	16	16		H	LEE K CLOSE
HAGERSTOWN	3975	07	WASHINGTON	39 39	77 44W	660	18	18		H	USDA PLT INTRODUCT STN
HANCOCK FRUIT LAB	4030	07	WASHINGTON	39 42	78 11W	428	16	16		H	HAGERSTOWN RESERVOIR
LA PLATA 1 W	5080	03	CHARLES	38 32	77 0W	140	18	18	C	H	SHARPSBURG RESEARCH C
LAUREL 3 W	5111	04	PRN GEORGES	39 6	76 54W	400	MID	MID		H	C RUSSELL LEVERING
MC HENRY 2 NW	5832	08	GARRETT	39 35	79 22W	2680	8	8		H	WASH SUB SANY COMM
MECHANICSVILLE 1 SE	5865	03	ST MARYS	38 26	76 43W	160	17	17	C	H	JOSEPH F JOHENNING
MERRILL	5894	08	GARRETT	39 36	79 5W	1790	9	9		H	MRS EDITH R BENNETT
MILLINGTON 2 WNW	5985	05	KENT	39 16	75 52W	30	17	17		H	DELWOOD E MERRILL
NATIONAL ARBORETUM D C	6350	04	GARRETT	38 54	76 59W	50	8	8		H	INACTIVE 06/25/84
OAKLAND 1 SE	6620	08	GARRETT	39 24	79 24W	2420	17	17		H	U S NATL ARBORETUM
OWINGS FERRY LANDING	6770	03	CALVERT	38 41	76 40W	160	17	17		H	BEA J CROSCO
PARKTON 2 SW	6844	06	BALTIMORE	39 38	76 42W	600	23	23		H	JAMES E BOURNE JR
PATUXENT RIVER	6915	03	ST MARYS	38 20	76 25W	38	MID	MID	C	H	JOHN R FOX
POTOMAC FILTER PLANT	7272	06	MONTGOMERY	39 2	77 15W	270		8		H	NAVAL WEATHER SERVICE
PRINCESS ANNE	7330	01	SOMERSET	38 13	75 41W	20	17	17		H	POTOMAC WATER FILT PLT
ROCKVILLE 1 NE	7705	06	MONTGOMERY	39 6	77 6W	440	17	17		H	UNIVERSITY MARYLAND EAST
ROYAL OAK 2 SSH	7806	02	TALBOT	38 43	76 11W	10	18	18		H	WASH GAS & LIGHT CO
SALISBURY	8000	01	WICOMICO	38 22	75 35W	10	17	17		H	JOHN L SWAINE JR
SALISBURY FAA AP	8005	01	WICOMICO	38 20	75 31W	48	MID	MID		H	CITY OF SALISBURY
SAVAGE RIVER DAM	8065	08	GARRETT	39 31	79 8W	1495	8	8		H	FAA
SNOW HILL 4 N	8380	01	WORCESTER	38 14	75 23W	28	18	18	B	C	U S CORPS OF ENGINEERS
TOWSON	8877	06	BALTIMORE	39 23	76 34W	390	18	18		H	CURTIS E SHOCKLEY
UNIONVILLE	9030	06	FREDERICK	39 27	77 11W	430	18	18		H	BENDIX FRIEZ
UPPER MARLBORO 3 NNW	9070	04	PRN GEORGES	38 52	76 47W	98	8	8		H	GEORGE P VON EIFF JR
VIENNA	9140	02	DORCHESTER	38 29	75 50W	12	18	18	B	H	TOBACCO EXP FARM
WESTMINSTER POLICE BRK	9440	06	CARROLL	39 33	76 58W	765	17	17		H	DELMARVA POWER & LIGHT
											MARYLAND STATE POLICE

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

MARYLAND AND
DELAWARE
JULY 1984

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES				OBSERVER
							LOCAL STD TIME				
							TEMP	PRECIP	EVAP	SPECIAL (SEE NOTES)	
WOODSTOCK	9750	06	BALTIMORE	39 20	76 52W	460	18	18		H	JOHN A HILTZ
DELAWARE											
BRIDGEVILLE 1 NH	1330	02	SUSSEX	38 45	75 37W	50	17	17		H	HILLIAM M RAY
DOVER	2730	00	KENT	39 9	75 31W	30	17	17		H	STATE DIV OF HIGHWAYS
GEORGETOWN 5 SW	3570	00	SUSSEX	38 38	75 27W	43	18	18		BC H	UNIV OF DEL SUBSTATION
LEWES	5320	00	SUSSEX	38 46	75 18W	15	17	17		H	BOARD OF PUBLIC WORKS
MIDDLETOWN 1 WSW	5852	00	NEW CASTLE	39 26	75 45W	60	16	16		H	PIONEER HIBRED CORN CO
MILFORD 2 HSW	5915	02	SUSSEX	38 54	75 28W	30	17	17		H	INACTIVE 04/30/84
NEWARK UNIVERSITY FARM	6410	01	NEW CASTLE	39 40	75 44W	90	17	17		17C H	UNIV OF DELAWARE
WILMINGTON WSO AP	R 9595	01	NEW CASTLE	39 40	75 36W	79	MID	MID		C H J	NATL WEATHER SERVICE
WILMINGTON PORTER RESVR	9605	01	NEW CASTLE	39 46	75 32W	274	MID	MID		H	WATER DEPARTMENT

SEE REFERENCE NOTES FOLLOWING STATION INDEX

REFERENCE NOTES

MARYLAND AND
DELAWARE
JULY 1984

DEFINITIONS

MONTHLY DEGREE DAY TOTALS: One heating (cooling) degree day is accumulated for each whole degree that the daily mean temperature is BELOW (ABOVE) 65 degrees Fahrenheit.

TEMPERATURE: Original and edited temperature values are given in the Daily Temperature Table. Edited values are produced when an original value is missing or when surrounding stations indicate a suspect original value. When a line labeled OBS is present and contains either a daily temperature (suspect) or *** (missing), the temperature appearing directly above, on the line labeled MAX or MIN, is an edited value. Summary temperature information (averages, departures, extremes, monthly degree day totals) is based on the values labeled MAX/MIN.

PRECIPITATION: Values shown in inches to hundredths are water equivalent totals, i.e. total of liquid and melted frozen precipitation. In the "MONTHLY SUMMARIZED DATA" table the total snow and sleet values shown in inches to tenths are unmelted amounts. The max. depth on ground values of snow and sleet shown in whole inches are cumulative unmelted amounts. The no. of days with .10, .50, 1.00 or more refers to water equivalents.

WIND: (As shown in "Evaporation and Wind" table) The total wind movement in miles over the evaporation pan as determined by an anemometer recorder located 6-8 inches above the pan.

NORMALS: The average value of the meteorological element over a time period. Effective 1 January 1983, the averaging period is 1951 to 1980. The normals for National Weather Service localities have been adjusted so as to be representative for the current observation site.

DIVISIONS: Areas within a state of similar climatological characteristics.

STATION NAMES: Name of the city, town or locality. Figures and letters following the station names indicate the distance in miles and direction from the post office or town community center.

LETTERS AND SYMBOLS USED IN THE STATION INDEX TABLE

R Amounts from recording gage.
// Gage equipped with a windshield.
AR Observation made "after rain" has occurred.
C Station is equipped with recording rain gage (R) but values in this bulletin are from a non-recording gage unless indicated by an R.
G Observations appear in "Soil Temperatures" table.
J Station also published as a Local Climatological Data publication.
H Observations appear in "Snowfall and Snow on Ground" table.
MID Observation time is midnight.
SR Observation time near sunrise.
SS Observation time near sunset.
VAR Observation time varies.
MO Gage read once monthly, usually the last day.
OC Gage readings vary from a few weeks to several months.
WI Gage read weekly or irregularly.
WM Gage read weekly and last day of month.
Thermometers located in a rooftop shelter.

LETTERS AND SYMBOLS USED IN THE DATA TABLES

BLANK entries in the "Monthly Summarized Data" table indicate no record. BLANK entries in the "Daily Precipitation" and "Snowfall and Snow on Ground" tables indicate zero.

BLANK entries in the "Daily Temperature" table indicate a missing record where an edited value could not be determined. (See *** below)

- No record. Data not recorded, determined unreliable by quality control checks, or not received in time for publication.

+ Precipitation or temperature extremes occurred on one or more previous dates during the month.

*** Missing original temperature which has been estimated during edit.

* Gage not read. Precipitation is included in the amount following the asterisks. Time distribution not known. An * preceding the monthly total indicates precipitation amount is being carried forward to next months total, and may include amounts from the previous month(s).

V Includes total for previous month(s). (See * above)

// Gage equipped with a windshield.

A Amount of precipitation is the total of observer's entries for the current month. It may include precipitation that occurred during the previous month. Refer to earlier bulletin to determine date of last reading. (HAWAII stations)

B Adjusted monthly value (estimated), (1-7 missing values for wind and evaporation).

M Insufficient or partial data. M is appended to average and/or total values computed with 1-9 daily values missing. M appears alone if 10 or more daily values are missing, (8 or more for wind and evaporation).

R Amounts from recording gage.

T Trace. An amount too small to measure.

Additional information regarding the climate of this state may be obtained by writing to the National Climatic Data Center, Federal Building, Asheville, N. C. 28801, or to any Weather Service Office near you. Additional precipitation data are contained in the "Hourly Precipitation Data" bulletin for each state, except Alaska.

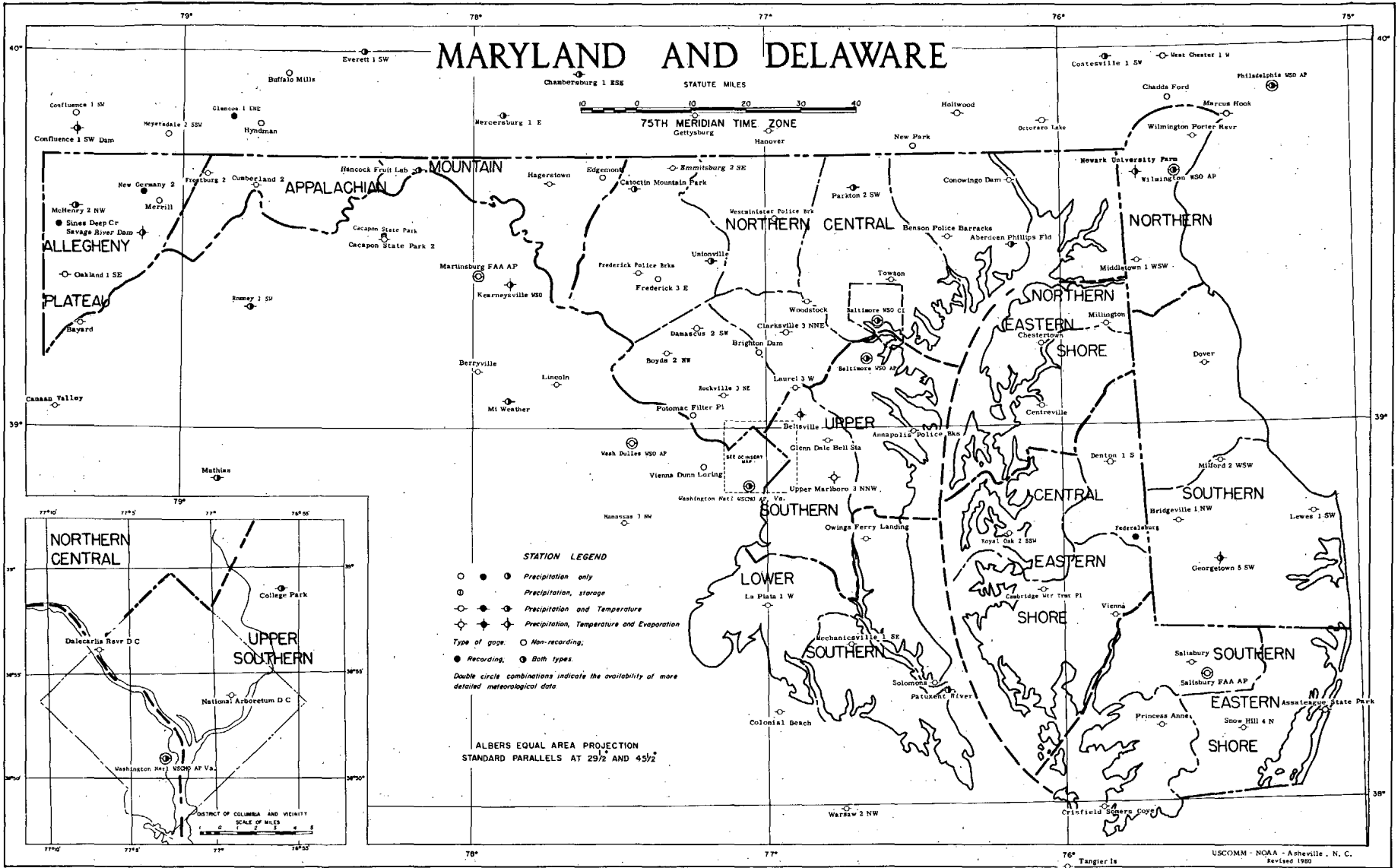
Seasonal Tables: Monthly and seasonal snowfall and heating degree days for the 12 months ending with the June data will be carried in the July issue of this bulletin. Cooling degree days for the calendar year will be published in the "Climatological Data Annual Summary".

Information concerning the history of changes in locations, exposure, etc. of substations through 1955 is available in the "Substation History" publication. Subsequent historical information is kept on file at the National Climatic Data Center. Similar information for regular National Weather Service Offices may be obtained from the "Local Climatological Data" annual publication.

SUBSCRIPTION, PRICE AND ORDERING INFORMATION AVAILABLE FROM:
THE NATIONAL CLIMATIC DATA CENTER, FEDERAL BUILDING,
ASHEVILLE, N. C. 28801 (ATTN: PUBLICATIONS)

USCOMH-NOAA-ASHEVILLE, N. C. JULY 1984-0895

MARYLAND AND DELAWARE



STATUTE MILES
0 10 20 30 40
75TH MERIDIAN TIME ZONE
Gettysburg Hanover New Park

STATION LEGEND

- ● ● Precipitation only
- ⊙ ● ● Precipitation, storage
- ● ● Precipitation and Temperature
- ◆ ◆ ◆ Precipitation, Temperature and Evaporation

Type of gage: ○ Non-recording,
● Recording, ● Both types.

Double circle combinations indicate the availability of more detailed meteorological data.

ALBERS EQUAL AREA PROJECTION
STANDARD PARALLELS AT 29 1/2 AND 45 1/2

CLIMATE PUBLICATIONS AVAILABLE FROM THE NATIONAL CLIMATIC DATA CENTER, ASHEVILLE, N.C.

COMPARATIVE CLIMATIC DATA

Presents tables of monthly and annual averages, totals or extreme climate conditions for approximately 300 major population centers. This publication is particularly helpful for comparing temperature, rainfall, snowfall, wind velocities, sunshine, cloudiness and relative humidities for the principal cities. The cities are listed alphabetically by state in two sections: observed data and climatological normals. This is an annual publication.

STORM DATA

Monthly issue presents a chronological listing, by states, of occurrences of storms and unusual weather phenomena, together with data on the paths of individual storms, deaths, injuries, and estimated property damage, and a brief narrative description of each event. A new section in the bulletin entitled "OUTSTANDING STORMS OF THE MONTH" highlights severe weather and includes descriptive photographs of storms, their tracks, and analyzed maps. The December issue includes annual summaries of tornadoes and lightning and North Atlantic tropical cyclones.

MONTHLY CLIMATIC DATA FOR THE WORLD

Contains monthly means of temperature, pressure, precipitation, vapor pressure and sunshine for about 2,500 surface data stations worldwide. Also contains monthly mean upper air temperatures, dew point depressions and wind velocities for ten standard levels.

LOCAL CLIMATOLOGICAL DATA

Published monthly for each first-order station. Presents daily maximum and minimum temperatures, degree day data, precipitation, station pressures, wind statistics, sunshine and sky cover data, as well as 3-hourly data for certain parameters. An annual issue is available summarizing monthly data and including up to 40 years record, and featuring a narrative climatological summary and history of the station.

CLIMATOLOGICAL DATA

Published monthly for each state. Gives daily temperature and precipitation records, and monthly averages and totals, with departures from normal when available. Also derived statistics such as heating and cooling degree days, counts of days equaling or exceeding given temperature and precipitation thresholds, extremes, etc., are published for cooperative and first-order stations. Evaporation and soil temperature data are given for reporting stations. Seasonal snowfall, heating and cooling degree day tables included in selected tables. Annual summary also available.

HOURLY PRECIPITATION DATA

Monthly issue presents daily, hourly and maximum short duration data for the recording gage stations for each state except Alaska. The annual issue tabulates monthly and annual totals, and annual maximum precipitation data by selected time categories.

Comparative Climatic Data
For the United States
1980

Local Climatological Data
Annual Summary With Comparative Data
1980
CHICAGO, ILLINOIS
O'HARE INTERNATIONAL AIRPORT

Local Climatological Data
ANNUAL SUMMARY
NEW YORK

**MONTHLY CLIMATIC
DATA FOR THE WORLD**
Sponsored by
World Meteorological Organization

CLIMATOLOGICAL DATA
ANNUAL SUMMARY
JUNE 1981
CALIFORNIA

STORM DATA
JUNE 1981

HOURLY PRECIPITATION DATA
ANNUAL SUMMARY
NEW YORK

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FOR MORE INFORMATION CONTACT,
NATIONAL CLIMATIC DATA CENTER
FEDERAL BUILDING
ASHEVILLE, N.C. 28801
(704) 259-0682
(FTS) 672-0682

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